

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY
AMENDED

REPORT OF EXAMINATION

TO APPROPRIATE PUBLIC WATERS OF THE STATE OF WASHINGTON

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Surface Water

(Issued in accordance with the provisions of Chapter 117, Laws of Washington for 1917, and amendments thereto, and the rules and regulations of the Department of Ecology.)

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Ground Water

(Issued in accordance with the provisions of Chapter 263, Laws of Washington for 1945, and amendments thereto, and the rules and regulations of the Department of Ecology.)

PRIORITY DATE August 19, 1991	APPLICATION NUMBER G2-28285	PERMIT NUMBER	CERTIFICATE NUMBER
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NAME Michael E. Fox\Enchantment Ridge			
ADDRESS (STREET) Post Office Box 459	(CITY) Shelton	(STATE) Washington	(ZIP CODE) 98584-0459

PUBLIC WATERS TO BE APPROPRIATED

SOURCE A well

TRIBUTARY OF (IF SURFACE WATERS)

MAXIMUM CUBIC FEET PER SECOND	MAXIMUM GALLONS PER MINUTE 50	MAXIMUM ACRE-FEET PER YEAR 7.0
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QUANTITY, TYPE OF USE, PERIOD OF USE 7.0 acre-feet per year	Multiple domestic supply	Year-round, as needed
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LOCATION OF DIVERSION/WITHDRAWAL

APPROXIMATE LOCATION OF DIVERSION-WITHDRAWAL 1,050 feet west and 850 feet north of the south quarter corner of Section 14.

LOCATED WITHIN (SMALLEST LEGAL SUBDIVISION) SW¼SE¼	SECTION 14	TOWNSHIP N. 21	RANGE, (E. OR W.) W.M. 4W	W.R.I.A. 16	COUNTY Mason
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RECORDED PLATTED PROPERTY

LOT	BLOCK	OF (GIVE NAME OF PLAT OR ADDITION)
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LEGAL DESCRIPTION OF PROPERTY ON WHICH WATER IS TO BE USED

All of Short Plats No. 890, 891 and 892, Recorded June 23, 1980 under Auditor's File No. 378111, 378112, 378113, Respectively.

Lot 1 of Short Plat 497, Recorded March 20, 1979, under Auditor's File No. 358509.

That portion of the south half of southeast quarter of Section 14, T. 21 N., R. 4 W.W.M., described as follows: Beginning at a point on the northline of said south half, south 89°22'05" east 893.04 feet from the northwest corner of said south half; Thence continue south 89°22'05" east 134.75 feet; Thence south 20°48'09" east 829.10 feet; Thence west 429.06 feet; Thence north 776.59 feet to the Point of Beginning.

DESCRIPTION OF PROPOSED WORKS

A 6" x 300' well

DEVELOPMENT SCHEDULE

BEGIN PROJECT BY THIS DATE:

Started

COMPLETE PROJECT BY THIS DATE:

Completed

WATER PUT TO FULL USE BY THIS DATE:

December 1, 1994

REPORT

BACKGROUND:

On August 19, 1991 Michael Fox filed an application under the provisions of Chapters 90.03 and 90.44 Revised Code of Washington (RCW), to appropriate public ground water from a well. A withdrawal rate of 105 gallons per minute (gpm) was requested for multiple domestic supply. The application was accepted for processing and assigned application number G2-28285.

Legal notice: The Shelton-Mason County Journal

Date: October 24 and 31, 1991

Protests: None received

I recommend issuance of a permit based on the following information.

INVESTIGATIONS:

In consideration of this application, I conducted a field examination on September 25, 1992. The applicant was not present on site at the time of my examination, but I contacted him later by telephone. Further investigation included a review of water right certificates, neighboring well logs, and information submitted with the application.

Site location and Project Description

The project site is called Enchantment Ridge. It is located off of Highway 106, approximately three miles southwest of Union, in Mason County, Washington. The development is situated on a ridge top that overlooks the Skokomish River Valley to the north. Residential development along the river valley is sparse.

The applicant intends to serve water to 14 connections. At the time of my visit, the lots were cleared and construction had begun on a few of the homes. The well was drilled in 1991, and is located near a pump house that contains the distribution system.

Well Construction

Elevation: 600 feet - above mean sea level
Depth: 300 feet
Casing: 6-inch
Static level: 237 feet
Access Port: Present
Screens: No, open casing
Driller: Arcadia Drilling
Drill Date: August 1991

The well is completed in a water bearing zone of gravel and cobbles. The well log indicates the presence of layers of clay/gravel, sand/gravel, and hard pan material.

The well is equipped with a five horsepower submersible pump. A pump test performed by the driller indicated the well was capable of producing 50 gpm with 12 feet of draw down after 4-hours. Based on system capacity, I recommend the withdrawal rate be reduced to 50 gallons per minute.

DISCUSSION:

Department of Ecology records indicate that the following senior water users are located in the area within a one half mile radius of the Enchantment Ridge well:

- ☐ No ground water certificates have been issued.
- ☐ Well logs indicate 5 wells have been drilled within the area. These wells are similar in construction, averaging in depth between 229 and 450 feet. It is likely that some of them share a common aquifer.

There have been no reports of water availability problems in this region of Mason County. Based on well spacing and water use requirements, I do not anticipate well interference. However, due to the proximity of neighboring wells, the applicant is advised that regulation of this well may be required if existing water rights are injuriously affected.

Water Requirements

The water requirements for a development of this type should not exceed 450 gallons a day per residence. This amounts to 7.0 acre-feet per year.

CONCLUSIONS:

In accordance with Chapters 90.03 and 90.44 RCW, I find there is water available for appropriation from the source in question, that the appropriation as recommended is a beneficial use, and should not impair existing rights or be detrimental to public welfare.

RECOMMENDATIONS:

I recommend approval of this application and issuance of a permit to allow appropriation of 50 gallons per minute, 7.0 acre-feet, from a well for multiple domestic supply of 14 homes. The period of use shall be year round as needed.

The permit shall be subject to existing rights and to the following provisions.

PROVISIONS:

The applicant is advised that notice of proof of appropriation of water (under which the final certificate of water right is issued) should not be filed until the permanent diversion facilities have been installed, and the system is currently in use. This includes installation of a mainline system capable of delivering the recommended quantity of water to an existing or proposed distribution system within the area to be served, and fulfillment of all other terms of this permit.

The water appropriated under this application will be used for public water supply. The State Board of Health rules require public water supply owners to obtain written approval from the Office of Water Supply, Department of Health, Mail Stop LD-11, Building 3, Olympia, Washington 98504, prior to any new construction or alterations of a public water supply system.

An approved metering device shall be installed and maintained in accordance with RCW 90.03.360, WAC 508-64-020 through -040 (installation, operation, and maintenance requirements are attached). Meter readings shall be recorded at least monthly.

This permit may be subject to implementation of the minimum requirements established in the Interim Guidelines for Public Water Systems Regarding Water Use Reporting, Demand Forecasting Methodology and Conservation Programs, July 1990 (attached), and as revised.

Under RCW 90.03.005 and 90.54.020(6), conservation and improved water use efficiency must be emphasized in the management of the State's water resources, and must be considered as a potential new source of water. Accordingly, as part of the terms of this permit, the applicant may be required to prepare and implement a water conservation plan approved by Department of Health. The standards for such a plan may be obtained from either the Department of Health or the Department of Ecology.

Report Continued

The Water Resources Act of 1971 specifies certain criteria regarding utilization and management of the waters of the State in the best public interest. Favorable consideration of this application has been based on sufficient waters available, at least during portions of the year. However, it is pointed out to the applicant that this use of water may be subject to regulation at certain times, based on the necessity to maintain water quantities sufficient for preservation of the natural environment.

REPORTED BY: J. VanHulle Date: February 25, 1993

The statutory permit fee for this application is \$20.00.